



PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0551-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|  |   |    |   |                          |                        |
|--|---|----|---|--------------------------|------------------------|
| Substitute for form 1449A/B/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(Use as many sheets as necessary) |   |    |   | <b>Complete if Known</b> |                        |
|  |   |    |   | Application Number       | 10/821,803-Conf. #9052 |
|  |   |    |   | Filing Date              | April 8, 2004          |
|  |   |    |   | First Named Inventor     | Bjorn-Oliver Eversmann |
|  |   |    |   | Art Unit                 | 2878                   |
|  |   |    |   | Examiner Name            | Not Yet Assigned       |
| Sheet  | 1 | of | 1 | Attorney Docket Number   | 20195/0201131-US0      |

| U.S. PATENT DOCUMENTS |                       |   |                                |  |   |
|-----------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials*    | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
| OG                    | AA**                  | US-5,602,467-B1   | 02-11-1997                     | Krauss et al.                                      |   |
| OG                    | AB**                  | US-4,701,253-B1   | 10-20-1987                     | Ligtenberg et al.                                  |   |
| OG                    | AC**                  | US-5,309,085-B1   | 05-03-1994                     | Sohn   |   |

\*\* Pursuant to the Notice issued by the United States Patent and Trademark Office dated July 11, 2003 waiving the requirements of 37 C.F.R. § 1.88(a)(2)(i), a copy/copies of the United States Patent on PTO/SB08 is/are not being submitted.

| FOREIGN PATENT DOCUMENTS |                       |  |                                |  |   |                |
|--------------------------|-----------------------|--|--------------------------------|--|---|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T <sup>6</sup> |
| OG                       | BA                    | DE-43 20 881-A1  | 09-01-1994                     | Roth Forschung GmbH & Co<br>Autom                  |   |                |
| OG                       | BB                    | DE-39 26 657-A1  | 11-29-1990                     | Samsung Electronics Co. Ltd.<br>(KR)               |   |                |
| OG                       | BC                    | WO-01/75462-A1   | 10-11-2001                     | Infineon Technologies AG                           |   |                |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

| NON PATENT LITERATURE DOCUMENTS |                       |   |  |  |  |                |
|---------------------------------|-----------------------|---|--|--|--|----------------|
| Examiner Initials               | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |  |  |  | T <sup>2</sup> |
| OG                              | CA                    | Thomas, C.A., et al., "A Miniature Microelectrode Array to Monitor the Bioelectric Activity of Cultured Cells", Experimental Cell Research, 1972, Vol. 74, pp. 61-66.   |  |  |  |                |
| OG                              | CB                    | Berdondini, L., et al., "High-Density Microelectrode Arrays for Electrophysiological Activity Imaging of Neuronal Networks", ICECS 2001, pp. 1239-1242.   |  |  |  |                |
| OG                              | CC                    | Enz, Christian C., et al., "Circuit Techniques for Reducing the Effects of Op-Amp Imperfections: Autozeroing, Correlated Double Sampling, and Chopper Stabilization", Proceedings of the IEEE, November 1996, Vol. 84, No. 11, pp. 1584-1614.                   |  |  |  |                |
| OG                              | CD                    | Gross, Guenter W., et al., "The use of neuronal networks on multielectrode arrays as biosensors", Biosensors & Bioelectronics, 1995, Vol. 10, pp. 553-567.  |  |  |  |                |
| OG                              | CE                    | Baumann, W.H., et al., "Microelectronic sensor system for microphysiological application on living cells", Sensors and Actuators B, 1999, Vol. 55, pp. 77-89.   |  |  |  |                |
| OG                              | CF                    | Krause, M., et al., "Extended gate electrode assays for extracellular signal recordings", Sensors and Actuators B, 2000, Vol. 70, pp. 101-107.  |  |  |  |                |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

|                    |                    |                 |          |
|--------------------|--------------------|-----------------|----------|
| Examiner Signature | <i>[Signature]</i> | Date Considered | 12/23/04 |
|--------------------|--------------------|-----------------|----------|